

1-6. (CANCELED)

7. (NEW) A variable-speed gearbox with a main transmission (2) arranged in a housing (30) and a downstream range-change transmission (32), the range-change transmission (32) having power distribution on two countershafts (12, 14), a gear wheel (6) being arranged radially movably on a main shaft (4) of the main transmission (2), which meshes in each case with a first gear wheel (8, 10) respectively on one of the countershafts (12, 14), and in the housing (30) is arranged a radially and axially fixed drive output shaft (22) with which is connected a gear wheel (20) that meshes in each case with a second gear wheel (16, 18) respectively on the two countershafts (12, 14), the gear wheel (6) which meshes with the first gear wheels (8, 10) of the countershafts (12, 14) is maintained on the main shaft (4) in an axial position relative to the drive output shaft (22) by pressure combs (50, 52, 54, 56).

8. (NEW) The variable-speed gearbox according to claim 7, wherein the two countershafts (12, 14) are maintained in the axial position relative to the drive output shaft (22) by first and second pressure combs (50, 52).

9. (NEW) The variable-speed gearbox according to claim 7, wherein the gear wheel (20) on the drive output shaft (22) has first and second pressure combs (50, 52) which contact with pressure combs formed on the second gear wheels (16, 18) of the countershafts (12, 14) in order to take up axial forces, and the gear wheel (6) on the main shaft (4) has third and fourth pressure combs (54, 56) which contact with pressure combs formed on the first gear wheels (8, 10) of the countershafts (12, 14) in order to take up axial forces.

10. (NEW) The variable-speed gearbox according to claim 7, wherein the drive output shaft (22) is held radially and axially in the housing (30) by double conical-roller bearings (26, 28).

11. (NEW) The variable-speed gearbox according to claim 7, wherein the countershafts (12, 14) only has a radial mounting (34, 36, 38, 40) in the housing (30).

12. (NEW) The variable-speed gearbox according to claim 11, wherein the radial mounting comprises roller bearings (34, 36, 38, 40).

13. (NEW) A variable-speed gearbox and a main transmission (2) arranged in a housing (30) with a downstream range-change transmission (32), the variable-speed gearbox comprising:

at least one countershaft (12, 14) for the power distribution;

a main shaft (4) of the main transmission (2) having a main gear wheel (6) which is radially movable about the main shaft (4), the main gear wheel (6) engages a first gear wheel (8) of a first countershaft (12) and a second gear wheel (10) of a second countershaft (14);

an axially fixed drive output shaft (22) is rotatably supported in the housing (30) and has a fixed gear wheel (20) that engages both a third gear wheel (16) of the first countershaft (12) and a fourth gear wheel (18) of the second countershaft (14); and

a plurality of pressure combs (50, 52, 54, 56) axially supported the main gear wheel (6) on the main shaft (4) in an axial position relative to the drive output shaft (22).